

1647

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Andreas Stahl, David J. Hirsch, Harvey F. Lodish, Ruth E. Gimeno and Louis A. Tartaglia

Application No.: 09/405,504 Group Art Unit: 1647

Filed: September 23, 1999 Examiner: S.L. Wegert

Confirmation No.: 9550

Title: METHODS OF IDENTIFYING INHIBITORS OF FATTY ACID  
TRANSPORT PROTEINS (FATP)



CERTIFICATE OF MAILING OR TRANSMISSION	
I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as First Class Mail in an envelope addressed to Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, or is being facsimile transmitted to the United States Patent and Trademark Office on:	
<u>9/23/03</u> Date	<u>Katie Norris</u> Signature
<u>Katie Norris</u> Typed or printed name of person signing certificate	

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

This Supplemental Information Disclosure Statement is submitted:

☐ under 37 CFR 1.129(a), or

(First/Second submission after Final Rejection)

☐ under 37 CFR 1.97(b), or

(Within any one of the following time periods: three months of filing national application (other than a CPA) or date of entry of the national stage in an international application; or before the mailing date of a first office action on the merits in a non-provisional application, including a CPA, or a Request for Continued Examination).

☐ under 37 CFR 1.97(c) together with either:

☐ a Statement under 37 CFR 1.97(e), as checked below, or

☐ a \$180.00 fee under 37 CFR 1.17(p), or

(After the 37 CFR 1.97(b) time period, but before final action or notice of allowance, whichever occurs first)

☐ under 37 CFR 1.97(d) together with:

☐ a Statement under 37 CFR 1.97(e), as checked below, and

☐ a \$180.00 fee under 37 CFR 1.17(p), or

(Filed after final action or notice of allowance, whichever occurs first, but on or before payment of the issue fee)

☒ under 37 CFR 1.97(i):

Applicant requests that the Supplemental IDS and cited reference(s) be placed in the application filewrapper.

Statement Under 37 CFR 1.97(e)

- ☐ Each item of information contained in this Information Disclosure Statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Information Disclosure Statement; or
- ☐ No item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the undersigned, after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of this Information Disclosure Statement.

Statement Under 37 CFR 1.704(d) (Patent Term Adjustment)

Applies to original applications (other than design) filed on or after May 29, 2000

- ☐ Each item of information contained in the Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart application and this communication was not received by any individual designated in § 1.56(c) more than thirty days prior to the filing of the Information Disclosure Statement.
- ☒ Enclosed herewith is form PTO-1449:
  - ☒ Copies of the cited references are enclosed, except for reference AL of which only the first page is enclosed.
    - ☐ Since this application was filed after June 30, 2003, copies of issued U.S. patents and published U.S. applications are not required and are not being provided.
  - ☐ Copies of the cited references are enclosed except those entered in prior application, U.S. Application No. [ ], to which priority under 35 U.S.C. 120 is claimed. [The earlier application contains copies of the cited references.]
  - ☐ The listed references were cited in the enclosed International Search Report in a counterpart foreign application.
  - ☐ The "concise explanation" requirement (non-English references) for reference(s) [ ] under 37 CFR 1.98(a)(3) is satisfied by:
    - ☐ the explanation provided on the attached sheet.
    - ☐ the explanation provided in the Specification.
    - ☐ submission of the enclosed International Search Report.
    - ☐ submission of the enclosed English-language version of a foreign Search Report and/or foreign Office Action.
    - ☐ the enclosed English language abstract.

☐ Applicant requests that the following non-published pending applications be considered:

Examiner's  
Initials

\_\_\_\_\_ U.S. Patent Application No. [ ], by [inventor(s)], filed [ ], Docket No.: [ ]

\_\_\_\_\_ U.S. Patent Application No. [ ], by [inventor(s)], filed [ ], Docket No.: [ ]

\_\_\_\_\_ U.S. Patent Application No. [ ], by [inventor(s)], filed [ ], Docket No.: [ ]

\_\_\_\_\_  
Examiner

\_\_\_\_\_  
Date

- ☐ A copy of each above-cited application, including the current claims, is enclosed.
- ☐ A copy of each above-cited application, including the current claims, is enclosed, except those entered in prior application, U.S. Application No. [ ], to which priority under 35 U.S.C. 120 is claimed.

The Examiner is requested to return a copy of the above list of pending applications indicating which references were considered with the next office communication.

It is requested that the information disclosed herein be made of record in this application.

Method of payment:

- ☐ A check for the fee noted above is enclosed, or the fee has been included in the check with the accompanying Reply. A copy of this Statement is enclosed.
- ☐ Please charge Deposit Account 08-0380 in the amount of \$[ ]. A copy of this Statement is enclosed.
- ☒ Please charge any deficiency in fees and credit any overpayment to Deposit Account 08-0380.

Respectfully submitted,

HAMILTON, BROOK, SMITH & REYNOLDS, P.C.

By

Doreen M. Hogle  
Doreen M. Hogle  
Registration No.: 36,361  
Telephone: (978) 341-0036  
Facsimile: (978) 341-0136

Concord, MA 01742-9133

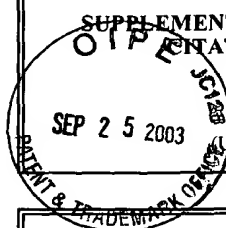
Dated: September 23, 2003

PTO-1449 REPRODUCED

ATTORNEY DOCKET NO.  
0399.1180-009APPLICATION NO.  
09/405,504SUPPLEMENTAL INFORMATION DISCLOSURE  
CITATION IN AN APPLICATION

September 23, 2003

(Use several sheets if necessary)

APPLICANT  
Andreas Stahl, *et al.*FILING DATE  
September 23, 1999CONFIRMATION NO. 9550  
GROUP 1647

## U.S. PATENT DOCUMENTS

EXAM- INER INI- TIAL	REF. NO.	DOCUMENT NUMBER	ISSUE DATE / PUBLICATION DATE	NAME
	AB	6,284,487 B1	4 SEPT. 2001	Stahl, <i>et al.</i>
	AC	6,288,213 B1	11 SEPT. 2001	Stahl, <i>et al.</i>
	AD	6,300,096 B1	9 OCT. 2001	Stahl, <i>et al.</i>
	AE	6,348,321 B1	19 FEB. 2002	Stahl, <i>et al.</i>
	AF			
	AG			
	AH			
	AI			
	AJ			
	AK			
	AA2			
	AB2			
	AC2			
	AD2			
	AE2			
	AF2			
	AG2			
	AH2			
	AI2			
	AJ2			
	AK2			
	AA3			
	AB3			
	AC3			

EXAMINER

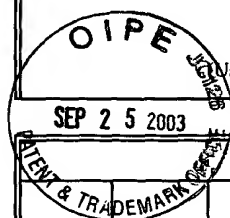
DATE CONSIDERED

PTO-1449 REPRODUCED

SUPPLEMENTAL INFORMATION DISCLOSURE  
CITATION IN AN APPLICATION

September 23, 2003

(Use several sheets if necessary)

ATTORNEY DOCKET NO.  
0399.1180-009APPLICATION NO.  
09/405,504APPLICANT  
Andreas Stahl, *et al.*FILING DATE  
September 23, 1999CONFIRMATION NO.  
9550GROUP  
1647

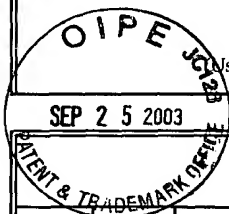
## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION YES NO	
	AL	WO 00/58473	5 OCT. 2000	PCT		
	AM	WO 99/36537	22 JULY 1999	PCT		
	AN	WO 99/46281	16 SEPT. 1999	PCT		
	AO	WO 00/26245	11 MAY 2000	PCT		
	AP	WO 01/21795	29 MAR. 2001	PCT		
	AQ	WO 99/51740	14 OCT. 1999	PCT		
	AL2					
	AM2					
	AN2					
	AO2					
	AP2					
	AQ2					
	AL3					
	AM3					
	AN3					
	AO3					
	AP3					
	AQ3					
	AL4					
	AM4					
	AN4					
	AO4					
	AP4					
	AQ4					
	AL5					
	AM5					

EXAMINER

DATE CONSIDERED

PTO-1449 REPRODUCED		ATTORNEY DOCKET NO. 0399.1180-009		APPLICATION NO. 09/405,504	
<b>SUPPLEMENTAL INFORMATION DISCLOSURE CITATION IN AN APPLICATION</b>  September 23, 2003 (Use several sheets if necessary)		APPLICANT Andreas Stahl, <i>et al.</i>			
		FILING DATE September 23, 1999		CONFIRMATION NO. 9550	


**OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)**

AX7	Banaszak, L., et al., "Lipid-Binding Proteins: A Family of Fatty Acid And Retinoid Transport Proteins," <i>Advances in Protein Chemistry</i> 45:89-151 (1994).
AY7	Binas, B., <i>et al.</i> , "Requirement for the Heart-Type Fatty Acid Binding Protein in Cardiac Fatty Acid Utilization," <i>FASEB Journal</i> , Fed. of American Soc. for Experimental Biology, 13:805-812 (1999).
AZ7	Flower, D.R., "The Lipocalin Protein Family: Structure and Function," <i>Biochem J.</i> , 318:1-14 (1996).
AR8	Flower, D.R., "Multiple Molecular Recognition Properties of the Lipocalin Protein Family," <i>Journal of Molecular Recognition</i> , 8:185-195 (1995).
AS8	Flower, D.R., "Structural Relationship of Streptavidin to the Calycin Protein Superfamily," <i>Fed. Of Eur. Biochemical Soc.</i> , 333(12):99-102 (1993).
AT8	Hillier, L., et al.; Data Submission; zu10c02.sl / Soares testis NHT Homo sapiens cDNA clone IMAGE: 731426 3', mRNA sequence.Homo sapiens(human); GenBank Accession No. AA412064 (1997).
AU8	Hui, T.Y. and Bernlohr, D.A., "Fatty Acid Transporters in Animal Cells," <i>Frontiers in Bioscience</i> 2, d222-231 (1997).
AV8	Hui, T.Y., et al.; Data Submission; Mus musculus fatty acid transport protein (FATP) gene, exons 8-13 and complete cds.; Mus musculus; GenBank Accession No. AF023258; (1997).
AW8	Hui, T.Y., et al.; Data Submission; Mus musculus fatty acid transport protein (FATP) gene, exons 4-7; Mus musculus; GenBank Accession No. AF023257; (1997).
AX8	Liu, Y.Q., et al., "Fatty Acid-induced cell Hypersensitivity to Glucose," <i>J. Clin. Invest.</i> , 101(9):1870-1875 (1998).
AY8	Stahl, A., et al., "Identification of the Major Intestinal Fatty Acid Transport Protein," <i>Molecular Cell</i> 4:299-308 (1999).
AZ8	Strausberg, R., ov56b02.x1 Soares testis NHT Homo sapiens cDNA clone Image:1641291 3', Homo Sapiens (human) EMBL Accession No. AI041230 (1998).
AR9	Tartaglia, L.A., et al., " Identification and Expression cloning of a Leptin Receptor, OB-R," <i>Cell</i> 83:1263-1271 (1995).

EXAMINER	DATE CONSIDERED
----------	-----------------